

## Skills Worksheet

**Reinforcement****Fission or Fusion?**

**Complete this worksheet after you have finished reading the section "Energy from the Nucleus."**

While it's true that both fusion and fission are types of nuclear reactions, the similarities end there. Follow the steps below to sort out the facts and eliminate any *con-fusion*!

1. Look at the two nuclear processes in the first column of the table below.
2. Read over the following list of information. Then write each piece of information next to the appropriate type of nuclear reaction. Some pieces of information may be used more than once.

- Chernobyl
- not currently used to provide electrical energy
- Hydrogen is a plasma.
- provides electrical energy in the United States and worldwide
- requires temperatures over 100,000,000°C
- radioactive waste products
- occurs in the sun's core
- no radioactive waste products
- Energy is released.
- Large nucleus splits into two smaller nuclei.
- uranium
- Two or more nuclei join together to form a more massive nucleus.

Nuclear Reaction Table	
<b>FISSION</b>	
<b>FUSION</b>	